2) $\omega_0^2 = \frac{1}{C^2 R_3^2} \Rightarrow \omega_0 = \frac{1}{C R_3}$ //

$\frac{\omega_0}{Q} = \frac{1}{C R_2} \cdot \frac{R3}{R3} \Rightarrow \frac{\omega_0}{Q} = \omega_0 \cdot \frac{R3}{R2} \Rightarrow Q = \frac{R2}{R3}$ //

$K = -\frac{R3}{R1}$ //